Iowa Department of Natural Resources Title V Operating Permit

Name of Permitted Facility: Glen-Gery Corporation/Redfield Plant

Facility Location: Highway 6 East, Redfield, Iowa 50233 Air Quality Operating Permit Number: 99-TV-026R1

Expiration Date: August 1, 2010

EIQ Number: 92-2206

Facility File Number: 25-05-008

Responsible Official

Name: George Robinson
Title: VP Production

Mailing Address: 1144 Spring Street, Wyomissing, PA 19610-6001

Phone #: (610) 374-4011

Permit Contact Person for the Facility

Name: Bailey Wilson Title: Plant Manager

Mailing Address: P.O. Box A, Redfield, IA 50233

Phone #: (515) 833-2828

This permit is issued in accordance with 567 Iowa Administrative Code Chapter 22, and is issued subject to the terms and conditions contained in this permit.

For the Director of the Department of Natural Resources

Douglas A. Campbell, Supervisor of Air Operating Permits Section Date

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Abbreviations

acfm	.actual cubic feet per minute
	.Code of Federal Regulation
CE	.control equipment
	.continuous emission monitor
°F	
EIQ	.emissions inventory questionnaire
EP	
EU	.emission unit
gr./dscf	grains per dry standard cubic foot
	grains per one hundred cubic feet
IAC	.Iowa Administrative Code
IDNR	.Iowa Department of Natural Resources
MVAC	.motor vehicle air conditioner
NAICS	.North American Industry Classification System
NSPS	.new source performance standard
ppmv	.parts per million by volume
lb./hr	
lb./MMBtu	pounds per million British thermal units
SCC	.Source Classification Codes
scfm	standard cubic feet per minute
SIC	.Standard Industrial Classification
TPY	
USEPA	.United States Environmental Protection Agency
VMT/hr	.vehicle miles traveled per hour
kW	.kilowatts
Pollutants	
PM	
$PM_{10}\ldots\ldots\ldots$	particulate matter ten microns or less in diameter
SO ₂	.sulfur dioxide
NO _x	.nitrogen oxides
	.volatile organic compound
CO	.carbon monoxide
HAP	.hazardous air pollutant

I. Facility Description and Equipment List

Facility Name: Glen-Gery Corporation/Redfield Plant

Permit Number: 99-TV-026R1

Facility Description: Brick Manufacturing (SIC 3251)

Equipment List

Emission	Emission	Emission Unit Description	IDNR
Point	Unit		Construction
Number	Number		Permit Number
1	1	Storage Piles	
2	2	Unpaved Haul Road (Manufacturing Transportation)	
3	3a	Primary Crushing	
3	3b	Grinding/Screening Operations	
4	8	Brick Dryer #1	
4a	8a	Brick Dryer #2	
4c	8c	Holding Room & Dryer #3	
5	9	Brick Kiln	00-A-999
9	10	Unpaved Haul Road (Shipping Transportation)	
13	17	Rotary Sand Mixer & Dryer	99-A-396
14	18	Diesel Electrical Generator	96-A-501-S1
16	16	Sandblast Cabinet	

Insignificant Activities Equipment List

Insignificant Emission Unit Number	Insignificant Emission Unit Description
3c	Manufacturing
8b	Holding Room for Dryers 1 & 2
11	Gasoline Storage Tank: 550 gallons
12	Diesel Storage Tank: 1,000 gallons
14	Flamesperse Storage Tank: 9,500 gallons
15	Parts Degreaser
19	Diesel Storage Tank: 1,000 gallons

II. Plant-Wide Conditions

Facility Name: Glen-Gery Corporation/Redfield Plant

Permit Number: 99-TV-026R1

Permit conditions are established in accord with 567 Iowa Administrative Code rule 22.108

Permit Duration

The term of this permit is: 5 years Commencing on: August 2, 2005 Ending on: August 1, 2010

Amendments, modifications and reopenings of the permit shall be obtained in accordance with 567 Iowa Administrative Code rules 22.110 - 22.114. Permits may be suspended, terminated, or revoked as specified in 567 Iowa Administrative Code Rules 22.115.

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Emission Limits

Unless specified otherwise in the Source Specific Conditions, the following limitations and supporting regulations apply to all emission points at this plant:

Opacity (visible emissions): 40% opacity

Authority for Requirement: 567 IAC 23.3(2)"d"

Sulfur Dioxide (SO₂): 500 parts per million by volume

Authority for Requirement: 567 IAC 23.3(3)"e"

Particulate Matter (state enforceable only)¹:

No person shall cause or allow the emission of particulate matter from any source in excess of the emission standards specified in this chapter, except as provided in 567 – Chapter 24. For sources constructed, modified or reconstructed after July 21, 1999, the emission of particulate matter from any process shall not exceed an emission standard of 0.1 grain per dry standard cubic foot of exhaust gas, except as provided in 567 – 21.2(455B), 23.1(455B), 23.4(455B) and 567 – Chapter 24.

For sources constructed, modified or reconstructed prior to July 21, 1999, the emission of particulate matter from any process shall not exceed the amount determined from Table I, or amount specified in a permit if based on an emission standard of 0.1 grain per standard cubic foot of exhaust gas or established from standards provided in 23.1(455B) and 23.4(455B). Authority for Requirement: 567 IAC 23.3(2)"a" (as revised 7/21/1999)

Pending approval into Iowa's State Implementation Plan (SIP), paragraph 567 IAC 23.3(2)"a" (as revised 7/21/1999) is considered *state enforceable only*.

Particulate Matter²:

The emission of particulate matter from any process shall not exceed the amount determined from Table I, except as provided in 567 — 21.2(455B), 23.1(455B), 23.4(455B) and 567 — Chapter 24. If the director determines that a process complying with the emission rates specified in Table I is causing or will cause air pollution in a specific area of the state, an emission standard of 0.1 grain per standard cubic foot of exhaust gas may be imposed. Authority for Requirement: 567 IAC 23.3(2)"a" (prior to 7/21/1999)

<u>Fugitive Dust:</u> Attainment and Unclassified Areas - No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered repaired or demolished, with the exception of farming operations or dust generated by ordinary travel on unpaved public roads, without taking reasonable precautions to prevent particulate matter in quantities sufficient to create a nuisance, as defined in Iowa Code section 657.1, from becoming airborne. All persons, with the above exceptions, shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. The highway authority shall be responsible for taking corrective action in those cases where said authority has received complaints of or has actual knowledge of dust conditions which require abatement pursuant to this subrule. Reasonable precautions may include, but not limited to, the following procedures.

- 1. Use, where practical, of water or chemicals for control of dusts in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land.
- 2. Application of suitable materials, such as but not limited to asphalt, oil, water or chemicals on unpaved roads, material stockpiles, race tracks and other surfaces which can give rise to airborne dusts.
- 3. Installation and use of containment or control equipment, to enclose or otherwise limit the emissions resulting from the handling and transfer of dusty materials, such as but not limited to grain, fertilizers or limestone.
- 4. Covering at all times when in motion, open-bodied vehicles transporting materials likely to give rise to airborne dusts.
- 5. Prompt removal of earth or other material from paved streets or to which earth or other material has been transported by trucking or earth-moving equipment, erosion by water or other means.

Authority for Requirement: 567 IAC 23.3(2)"c"

Compliance Plan

The owner/operator shall comply with the applicable requirements listed below. The compliance status is based on information provided by the applicant.

Unless otherwise noted in Section III of this permit, Glen-Gery Corporation/Redfield Plant is in compliance with all applicable requirements and shall continue to comply with all such requirements. For those applicable requirements which become effective during the permit term, Glen-Gery Corporation/Redfield Plant shall comply with such requirements in a timely manner. Authority for Requirement: 567 IAC 22.108(15)

² Paragraph 567 IAC 23.3(2)"a" (prior to 7/21/1999) is the general particulate matter emission standard currently in the Iowa SIP.

III. Emission Point-Specific Conditions

Facility Name: Glen-Gery Corporation/Redfield Plant Permit Number: 99-TV-026R1	
Emission Point ID Number: 1	
Associated Equipment	
Associated Emission Unit ID Number: 1	
Emission Unit vented through this Emission Point: 1 Emission Unit Description: Storage Piles Raw Material/Fuel: Shale and Sand Rated Capacity: 6.23 tons/hr	
Applicable Requirements	
Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.) The emissions from this emission point shall not exceed the levels specific	ied below.
Pollutant: Fugitive Dust Emission Limit(s): No person shall allow, cause or permit any materials transported or stored; or a building, its appurtenances or a construction h constructed, altered, repaired or demolished, without taking reasonable pnuisance. All persons shall take reasonable precautions to prevent the diemissions of fugitive dusts beyond the lot line of the property on which the Authority for Requirement: 567 IAC 23.3(2)"c"	aul road to be used, precautions to prevent a scharge of visible
Monitoring Requirements The owner/operator of this equipment shall comply with the monito below.	ring requirements listed
Agency Approved Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Facility Maintained Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Compliance Assurance Monitoring (CAM) Plan Required?	Yes 🗌 No 🖂
Authority for Requirement: 567 IAC 22.108(3)	

Emission Point ID Number: 2 Associated Equipment Associated Emission Unit ID Number: 2 Emission Unit vented through this Emission Point: 2 Emission Unit Description: Unpaved Haul Road (Manufacturing Transportation) Raw Material/Fuel: Unpaved Road Dust Rated Capacity: 0.544 VMT/hr **Applicable Requirements** Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.) The emissions from this emission point shall not exceed the levels specified below. Pollutant: Fugitive Dust Emission Limit(s): No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. Authority for Requirement: 567 IAC 23.3(2)"c" **Monitoring Requirements** The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required?

Yes □ No ☑

Facility Maintained Operation & Maintenance Plan Required?

Yes □ No ☑

Compliance Assurance Monitoring (CAM) Plan Required?

Yes □ No ☑

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 3

Associated Equipment

Associated Emission Unit ID Numbers: 3a and 3b

Emission Unit vented through this Emission Point: 3a

Emission Unit Description: Primary Crushing

Raw Material/Fuel: Shale and Sand

Rated Capacity: 80 tons/hr

Emission Unit vented through this Emission Point: 3b Emission Unit Description: Grinding/Screening Operations

Raw Material/Fuel: Shale and Sand

Rated Capacity: 80 tons/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Fugitive Dust

Emission Limit(s): No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. Authority for Requirement: 567 IAC 23.3(2)"c"

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Facility Maintained Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Compliance Assurance Monitoring (CAM) Plan Required?	Yes 🗌 No 🖂

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 4 Associated Equipment Associated Emission Unit ID Number: 8 Emission Unit vented through this Emission Point: 8 Emission Unit Description: Brick Dryer #1 Raw Material/Fuel: Brick, Natural Gas Rated Capacity: 5.47 tons/hr **Applicable Requirements** Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.) The emissions from this emission point shall not exceed the levels specified below. Pollutant: Opacity Emission Limit(s): 40% Authority for Requirement: 567 IAC 23.3(2)"d" Pollutant: Particulate Matter Emission Limit(s): 12.8 lbs./hr (1) (1) based on a process weight rate of 5.47 tons/hr from Table 1 Authority for Requirement: 567 IAC 23.3(2)"a" Pollutant: Sulfur Dioxide (SO₂) Emission Limit(s): 500 ppmv Authority for Requirement: 567 IAC 23.3(3)"e" **Monitoring Requirements** The owner/operator of this equipment shall comply with the monitoring requirements listed below. Yes No No **Agency Approved Operation & Maintenance Plan Required?**

Facility Maintained Operation & Maintenance Plan Required?

Compliance Assurance Monitoring (CAM) Plan Required?

Authority for Requirement: 567 IAC 22.108(3)

10 FINAL: 08/02/05

Yes No No

Emission Point ID Number: 4a Associated Equipment Associated Emission Unit ID Number: 8a Emission Unit vented through this Emission Point: 8a Emission Unit Description: Brick Dryer #2 Raw Material/Fuel: Brick, Natural Gas Rated Capacity: 5.47 tons/hr **Applicable Requirements** Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.) The emissions from this emission point shall not exceed the levels specified below. Pollutant: Opacity Emission Limit(s): 40% Authority for Requirement: 567 IAC 23.3(2)"d" Pollutant: Particulate Matter Emission Limit(s): 12.8 lbs./hr (1) (1) based on a process weight rate of 5.47 tons/hr from Table 1 Authority for Requirement: 567 IAC 23.3(2)"a" Pollutant: Sulfur Dioxide (SO₂) Emission Limit(s): 500 ppmv Authority for Requirement: 567 IAC 23.3(3)"e" **Monitoring Requirements** The owner/operator of this equipment shall comply with the monitoring requirements listed below. Yes No No **Agency Approved Operation & Maintenance Plan Required?**

Facility Maintained Operation & Maintenance Plan Required?

Compliance Assurance Monitoring (CAM) Plan Required?

Authority for Requirement: 567 IAC 22.108(3)

11 FINAL: 08/02/05

Yes No No

Emission Point ID Number: 4c Associated Equipment Associated Emission Unit ID Number: 8c Emission Unit vented through this Emission Point: 8c Emission Unit Description: Holding Room & Dryer #3 Raw Material/Fuel: Bricks, Natural Gas Rated Capacity: 1 MMBtu/hr **Applicable Requirements** Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.) The emissions from this emission point shall not exceed the levels specified below. Pollutant: Opacity Emission Limit(s): 40% Authority for Requirement: 567 IAC 23.3(2)"d" Pollutant: Particulate Matter Emission Limit(s): 20.0 lbs./hr (1) (1) based on a process weight rate of 10.66 tons/hr from Table 1 Authority for Requirement: 567 IAC 23.3(2)"a" Pollutant: Sulfur Dioxide (SO₂) Emission Limit(s): 500 ppmv Authority for Requirement: 567 IAC 23.3(3)"e" **Monitoring Requirements** The owner/operator of this equipment shall comply with the monitoring requirements listed below. Yes No No **Agency Approved Operation & Maintenance Plan Required?**

Authority for Requirement: 567 IAC 22.108(3)

Facility Maintained Operation & Maintenance Plan Required?

Compliance Assurance Monitoring (CAM) Plan Required?

12 FINAL: 08/02/05

Yes No No

Emission Point ID Number: 5

Associated Equipment

Associated Emission Unit ID Number: 9

Emission Unit vented through this Emission Point: 9

Emission Unit Description: Brick Kiln Raw Material/Fuel: Brick, Natural Gas

Rated Capacity: 10.94 tons/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40% (1)

Authority for Requirement: Iowa DNR Construction Permit 00-A-999

567 IAC 23.3(2)"d"

(1) Per DNR Air Quality Policy 3-b-08, <u>Opacity Limits</u>, an exceedence of the indicator opacity of 25% will require the owner/operator to promptly investigate the emission unit and make corrections to operations or equipment associated with the exceedence. The permit holder shall also file an "indicator opacity exceedence report" with the DNR field office and keep records as required in the policy. If exceedences continue after the corrections, the DNR may require additional proof to demonstrate compliance (e.g., stack testing).

Pollutant: Particulate Matter Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: Iowa DNR Construction Permit 00-A-999

567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂) Emission Limit(s): 226 tons/yr

Authority for Requirement: Iowa DNR Construction Permit 00-A-999

567 IAC 23.3(3)

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- 1. This emission unit shall only burn natural gas.
- 2. The sulfur content of the natural gas shall not exceed 25 grains per 100 cubic feet of gas.
- 3. The sulfur content of the raw materials used in this emission unit shall not exceed 0.112% by weight.

Reporting & Record keeping:

All records as required by this permit shall be kept on-site for a minimum of five (5) years and shall be available for inspection by the DNR. Records shall be legible and maintained in an orderly manner.

- 1. The owner or operator shall record the type of fuel used in the emission unit.
- 2. The owner or operator shall obtain two reports per year from the natural gas supplier, one in July and one in December, to verify the sulfur content of the natural gas.
- 3. The owner or operator shall conduct monthly analyses of the sulfur content of the raw materials.

Authority for Requirement: Iowa DNR Construction Permit 00-A-999

NESHAP:

Parts of this facility will be subject to the Brick and Structural Clay Products Manufacturing National Emission Standards for Hazardous Air Pollutants. This NESHAP was published in the Federal Register on May 16, 2003. Refer to the tables in Appendix B for additional information.

§ 63.8395 When do I have to comply with this subpart?

• • •

(b) If you have an existing affected source, you must comply with the applicable emission limitations in Tables 1 and 2 to this subpart no later than May 16, 2006.

. . .

- (e) You must meet the notification requirements in § 63.8480 according to the schedule in § 63.8480 and in 40 CFR part 63, subpart A. Some of the notifications must be submitted before you are required to comply with the emission limitations in this subpart.
- § 63.8480 What notifications must I submit and when?
 - (a) You must submit all of the notifications in §§ 63.7(b) and (c), 63.8(f)(4), and 63.9 (b) through (e), (g)(1), and (h) that apply to you, by the dates specified.

. .

Authority for Requirement: 40 CFR 63.8395 567 IAC 23.1(4)

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 34 Stack Opening, (inches, dia.): 32

Exhaust Flow Rate (scfm): 15,450 Exhaust Temperature (°F): 510

Discharge Style: Vertical, unobstructed

Authority for Requirement: Iowa DNR Construction Permit 00-A-999

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the

emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

N	Ioni	itoring	Rec	uirem	ents

The	owner/operator	of th	is equipment	shall	comply	with	the	monitoring	requirements	listed
belo	w.									

Agency Approved Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Facility Maintained Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Compliance Assurance Monitoring (CAM) Plan Required?	Yes 🗌 No 🖂

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 9 Associated Equipment Associated Emission Unit ID Number: 10 Emission Unit vented through this Emission Point: 10 Emission Unit Description: Unpaved Haul Road (Shipping Transportation) Raw Material/Fuel: Unpaved Road Dust Rated Capacity: 0.544 VMT/hr **Applicable Requirements** Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.) The emissions from this emission point shall not exceed the levels specified below. Pollutant: Fugitive Dust Emission Limit(s): No person shall allow, cause or permit any materials to be handled, transported or stored; or a building, its appurtenances or a construction haul road to be used, constructed, altered, repaired or demolished, without taking reasonable precautions to prevent a nuisance. All persons shall take reasonable precautions to prevent the discharge of visible emissions of fugitive dusts beyond the lot line of the property on which the emissions originate. Authority for Requirement: 567 IAC 23.3(2)"c" **Monitoring Requirements** The owner/operator of this equipment shall comply with the monitoring requirements listed below. Yes No No **Agency Approved Operation & Maintenance Plan Required?**

Facility Maintained Operation & Maintenance Plan Required?

Compliance Assurance Monitoring (CAM) Plan Required?

Authority for Requirement: 567 IAC 22.108(3)

16 FINAL: 08/02/05

Yes No No

Emission Point ID Number: 13

Associated Equipment

Associated Emission Unit ID Number: 17

Emission Unit vented through this Emission Point: 17 Emission Unit Description: Rotary Sand Mixer & Dryer

Raw Material/Fuel: Wet Sand, Natural Gas

Rated Capacity: 1.0 MMBtu/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40% (1)

Authority for Requirement: Iowa DNR Construction Permit 99-A-396

567 IAC 23.3(2)"d"

(1) If visible emission in excess of the 10% indicator opacity are observed other than during start-up, shutdown, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard.

Pollutant: Particulate Matter Emission Limit(s): 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 99-A-396

567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂) Emission Limit(s): 500 ppmv

Authority for Requirement: Iowa DNR Construction Permit 99-A-396

567 IAC 23.3(2)"e"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Process throughput:

- 1. The facility is limited to using a maximum capacity of 1.8 tons per hour of wet sand in the process, corresponding to EP-13 respectively.
- 2. The facility is limited operating the heating unit on natural gas only.

Work practice standards:

1. The facility is required to do routine maintenance.

Reporting & Record keeping:

Records shall be kept on-site for at least five (5) years and shall be available for inspection by the IDNR. Records shall be maintained in a legible and orderly manner and shall indicate the following:

- 1. Record the amount of wet sand processed on a daily basis.
- 2. Maintain records of maintenance done to EU-17 corresponding to EP-13 on a monthly basis.

Authority for Requirement: Iowa DNR Construction Permit 99-A-396

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 30 Stack Opening, (inches, dia.): 12 Exhaust Flow Rate (acfm): 1,250 Exhaust Temperature (°F): 250

Discharge Style: Vertical, unobstructed

Authority for Requirement: Iowa DNR Construction Permit 99-A-396

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring Requirements

The owner/operator of this equipment shall comply with the monitoring requirements listed below.

Agency Approved Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Facility Maintained Operation & Maintenance Plan Required?	Yes 🗌 No 🖂
Compliance Assurance Monitoring (CAM) Plan Required?	Yes 🗌 No 🖂

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 14

Associated Equipment

Associated Emission Unit ID Number: 18

Emission Unit vented through this Emission Point: 18 Emission Unit Description: Diesel Electrical Generator

Raw Material/Fuel: Diesel Rated Capacity: 37 gallons/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity Emission Limit(s): 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter

Emission Limit(s): 1.58 lb/hr, 0.1 gr/scf

Authority for Requirement: Iowa DNR Construction Permit 96-A-501-S1

567 IAC 23.3(2)"a"

Pollutant: Sulfur Dioxide (SO₂) Emission Limit(s): 13.8 lb/hr

Authority for Requirement: Iowa DNR Construction Permit 96-A-501-S1

567 IAC 23.3(3)"b"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Hours of operation:

1. The facility will not operate the generator more than five hundred hours per year.

Process throughput:

1. The facility shall not use any fuel other than diesel fuel.

Reporting & Record keeping:

Records must be maintained on site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources. These records are to indicate the following:

- 1. The date and time of startup for the generator.
- 2. The date and time of shutdown for the generator.
- 3. The type of fuel used.
- 4. The total hours that the generator is operated for the year.

Authority for Requirement: Iowa DNR Construction Permit 96-A-501-S1

NESHAP:

This emission unit is subject to 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. According to 63.6590(a) an affected source is any existing, new, or reconstructed stationary RICE with a site-rating of more than 500 brake horsepower located at a major source of HAP emissions, excluding stationary RICE being tested at a stationary RICE test cell/stand. Section 63.6590(b)(3) states a stationary RICE which is an existing spark ignition 2 stroke lean burn, an existing spark ignition 4 stroke lean burn, an existing compression ignition, or an existing emergency stationary RICE, does not have to meet the requirements of this subpart or of subpart A of this part. No initial notification is necessary.

Authority for Requirement: 40 CFR 63.6590

567 IAC 23.1(4)

Emission Point Characteristics

The emission point shall conform to the specifications listed below.

Stack Height, (ft, from the ground): 30

Stack Opening, (inches, dia.): 12 Exhaust Flow Rate (scfm): 1,842 Exhaust Temperature (°F): 830

Discharge Style: Vertical, unobstructed

Authority for Requirement: Iowa DNR Construction Permit 96-A-501-S1

The temperature and flow rate are intended to be representative and characteristic of the design of the permitted emission point. The Department recognizes that the temperature and flow rate may vary with changes in the process and ambient conditions. If it is determined that any of the emission point design characteristics are different than the values stated above, the owner/operator must notify the Department and obtain a permit amendment, if required.

Monitoring	Requirements

Monitoring Requirements	
The owner/operator of this equipment shall comply with the monit	oring requirements listed
below.	
Agency Approved Operation & Maintenance Plan Required?	Yes 🔛 No 🖂
Facility Maintained Operation & Maintanana Blan Descriped?	Yes No No
Facility Maintained Operation & Maintenance Plan Required?	ies 🗀 No 🖂
Compliance Assurance Monitoring (CAM) Plan Required?	Yes No No
comprising (Citiz) I fan Requireu.	100

Authority for Requirement: 567 IAC 22.108(3)

Emission Point ID Number: 16

Associated Equipment

Associated Emission Unit ID Number: 16

Emissions Control Equipment ID Number: CE 16 Emissions Control Equipment Description: Baghouse

Emission Unit vented through this Emission Point: 16

Emission Unit Description: Sandblast Cabinet

Raw Material/Fuel: Sand, Clay Rated Capacity: 1.5 tons/hr

Applicable Requirements

Emission Limits (lb./hr, gr./dscf, lb./MMBtu, % opacity, etc.)

The emissions from this emission point shall not exceed the levels specified below.

Pollutant: Opacity

Emission Limit(s): 40%

Authority for Requirement: 567 IAC 23.3(2)"d"

Pollutant: Particulate Matter Emission Limit(s): 0.1 gr/dscf

Authority for Requirement: 567 IAC 23.3(2)"a"

Operational Limits & Requirements

The owner/operator of this equipment shall comply with the operational limits and requirements listed below.

Hours of operation:

1. The facility will not operate this emission unit more than 4,380 hours per year.

Reporting & Record keeping:

Records must be maintained on site for five (5) years and be available for inspection upon request by representatives of the Department of Natural Resources. These records are to indicate the following:

1. The total hours that this emission unit is operated for the year.

Authority for Requirement: 567 IAC 22.108(13)

Monitoring Requirements

The	owner/operator	of	this	equipment	shall	comply	with	the	monitoring	requirements	listed
belo	w.										

Agency Approved Operation & Maintenance Plan Required?	Yes No No
Facility Maintained Operation & Maintenance Plan Required?	Yes 🛛 No 🗌
Compliance Assurance Monitoring (CAM) Plan Required?	Yes 🗌 No 🗵

Facility operation and maintenance plans must be sufficient to yield reliable data from the relevant time period that are representative of the source's compliance with the applicable requirements.

Facility operation and maintenance plans are to be developed by the facility within six(6) months of the issuance date of this permit and the data pertaining to the plan maintained on site for at least 5 years. The plan and associated recordkeeping provides documentation of this facility's implementation of its obligation to operate according to good air pollution control practice.

Good air pollution control practice is achieved by adoption of quality control standards in the operation and maintenance procedures for air pollution control that are comparable to industry quality control standards for the production processes associated with this emission point.

Authority for Requirement: 567 IAC 22.108(3)

IV. General Conditions

This permit is issued under the authority of the Iowa Code subsection 455B.133(8) and in accordance with 567 Iowa Administrative Code chapter 22.

G1. Duty to Comply

- 1. The permittee must comply with all conditions of the Title V permit. Any permit noncompliance constitutes a violation of the Act and is grounds for enforcement action; for a permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. 567 IAC 22.108(9)"a"
- 2. Any compliance schedule shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based. 567 IAC 22.105 (2)"h"(3)
- 3. Where an applicable requirement of the Act is more stringent than an applicable requirement of regulations promulgated under Title IV of the Act, both provisions shall be enforceable by the administrator and are incorporated into this permit. 567 IAC 22.108 (1)"b"
- 4. Unless specified as either "state enforceable only" or "local program enforceable only", all terms and conditions in the permit, including provisions to limit a source's potential to emit, are enforceable by the administrator and citizens under the Act. 567 IAC 22.108 (14)
- 5. It shall not be a defense for a permittee, in an enforcement action, that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit. 567 IAC 22.108 (9)"b"

G2. Permit Expiration

- 1. Except as provided in 567 IAC 22.104, the expiration of this permit terminates the permittee's right to operate unless a timely and complete application has been submitted for renewal. Any testing required for renewal shall be completed before the application is submitted. 567 IAC 22.116(2)
- 2. To be considered timely, the owner, operator, or designated representative (where applicable) of each source required to obtain a Title V permit shall present or mail the Air Quality Bureau, Iowa Department of Natural Resources, Air Quality Bureau, 7900 Hickman Rd, Suite #1, Urbandale, Iowa 50322, two copies (three if your facility is located in Linn or Polk county) of a complete permit application, at least 6 months but not more than 18 months prior to the date of permit expiration. An additional copy must also be sent to EPA Region VII, Attention: Chief of Air Permits, 901 N. 5th St., Kansas City, KS 66101. The application must include all emission points, emission units, air pollution control equipment, and monitoring devices at the facility. All emissions generating activities, including fugitive emissions, must be included. The definition of a complete application is as indicated in 567 IAC 22.105(2). 567 IAC 22.105

G3. Certification Requirement for Title V Related Documents

Any application, report, compliance certification or other document submitted pursuant to this permit shall contain certification by a responsible official of truth, accuracy, and completeness. All certifications shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. 567 IAC 22.107 (4)

G4. Annual Compliance Certification

By March 31 of each year, the permittee shall submit compliance certifications for the previous calendar year. The certifications shall include descriptions of means to monitor the compliance status of all emissions sources including emissions limitations, standards, and work practices in accordance with applicable requirements. The certification for a source shall include the identification of each term or condition of the permit that is the basis of the certification; the compliance status; whether compliance was continuous or intermittent; the method(s) used for

determining the compliance status of the source, currently and over the reporting period consistent with all applicable department rules. For sources determined not to be in compliance at the time of compliance certification, a compliance schedule shall be submitted which provides for periodic progress reports, dates for achieving activities, milestones, and an explanation of why any dates were missed and preventive or corrective measures. The compliance certification shall be submitted to the administrator, director, and the appropriate DNR Field office. 567 IAC 22.108 (15)"e"

G5. Semi-Annual Monitoring Report

By March 31 and September 30 of each year, the permittee shall submit a report of any monitoring required under this permit for the 6 month periods of July 1 to December 31 and January 1 to June 30, respectively. All instances of deviations from permit requirements must be clearly identified in these reports, and the report must be signed by a responsible official, consistent with 567 IAC 22.107(4). The semi-annual monitoring report shall be submitted to the director and the appropriate DNR Field office. 567 IAC 22.108 (5)

G6. Annual Fee

- 1. The permittee is required under subrule 567 IAC 22.106 to pay an annual fee based on the total tons of actual emissions of each regulated air pollutant. Beginning July 1, 1996, Title V operating permit fees will be paid on July 1 of each year. The fee shall be based on emissions for the previous calendar year.
- 2. The fee amount shall be calculated based on the first 4,000 tons of each regulated air pollutant emitted each year. The fee to be charged per ton of pollutant will be available from the department by June 1 of each year. The Responsible Official will be advised of any change in the annual fee per ton of pollutant.
- 3. The following forms shall be submitted annually by March 31 documenting actual emissions for the previous calendar year.
 - a. Form 1.0 "Facility Identification";
 - b. Form 4.0 "Emissions unit-actual operations and emissions" for each emission unit;
 - c. Form 5.0 "Title V annual emissions summary/fee"; and
 - d. Part 3 "Application certification."
- 4. The fee shall be submitted annually by July 1. The fee shall be submitted with the following forms:
 - a. Form 1.0 "Facility Identification";
 - b. Form 5.0 "Title V annual emissions summary/fee";
 - c. Part 3 "Application certification."
- 5. If there are any changes to the emission calculation form, the department shall make revised forms available to the public by January 1. If revised forms are not available by January 1, forms from the previous year may be used and the year of emissions documented changed. The department shall calculate the total statewide Title V emissions for the prior calendar year and make this information available to the public no later than April 30 of each year.
- 6. Phase I acid rain affected units under section 404 of the Act shall not be required to pay a fee for emissions which occur during the years 1993 through 1999 inclusive.
- 7. The fee for a portable emissions unit or stationary source which operates both in Iowa and out of state shall be calculated only for emissions from the source while operating in Iowa.
- 8. Failure to pay the appropriate Title V fee represents cause for revocation of the Title V permit as indicated in 567 IAC 22.115(1)"d".

G7. Inspection of Premises, Records, Equipment, Methods and Discharges

Upon presentation of proper credentials and any other documents as may be required by law, the permittee shall allow the director or the director's authorized representative to:

- 1. Enter upon the permittee's premises where a Title V source is located or emissions-related activity is conducted, or where records must be kept under the conditions of the permit;
- 2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit;
- 3. Inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit; and
- 4. Sample or monitor, at reasonable times, substances or parameters for the purpose of ensuring compliance with the permit or other applicable requirements. 567 IAC 22.108 (15)"b"

G8. Duty to Provide Information

The permittee shall furnish to the director, within a reasonable time, any information that the director may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the director copies of records required to be kept by the permit, or for information claimed to be confidential, the permittee shall furnish such records directly to the administrator of EPA along with a claim of confidentiality. 567 IAC 22.108 (9)"e"

G9. General Maintenance and Repair Duties

The owner or operator of any air emission source or control equipment shall:

- 1. Maintain and operate the equipment or control equipment at all times in a manner consistent with good practice for minimizing emissions.
- 2. Remedy any cause of excess emissions in an expeditious manner.
- 3. Minimize the amount and duration of any excess emission to the maximum extent possible during periods of such emissions. These measures may include but not be limited to the use of clean fuels, production cutbacks, or the use of alternate process units or, in the case of utilities, purchase of electrical power until repairs are completed.
- 4. Schedule, at a minimum, routine maintenance of equipment or control equipment during periods of process shutdowns to the maximum extent possible. 567 IAC 24.2(1)

G10. Recordkeeping Requirements for Compliance Monitoring

- 1. In addition to any source specific recordkeeping requirements contained in this permit, the permittee shall maintain the following compliance monitoring records, where applicable:
 - a. The date, place and time of sampling or measurements
 - b. The date the analyses were performed.
 - c. The company or entity that performed the analyses.
 - d. The analytical techniques or methods used.
 - e. The results of such analyses; and
 - f. The operating conditions as existing at the time of sampling or measurement.
 - g. The records of quality assurance for continuous compliance monitoring systems (including but not limited to quality control activities, audits and calibration drifts.)
- 2. The permittee shall retain records of all required compliance monitoring data and support information for a period of at least 5 years from the date of compliance monitoring sample, measurement report or application. Support information includes all calibration and maintenance records and all original strip chart recordings for continuous compliance monitoring, and copies of all reports required by the permit.
- 3. For any source which in its application identified reasonably anticipated alternative operating scenarios, the permittee shall:

- a. Comply with all terms and conditions of this permit specific to each alternative scenario.
- b. Maintain a log at the permitted facility of the scenario under which it is operating.
- c. Consider the permit shield, if provided in this permit, to extend to all terms and conditions under each operating scenario. 567 IAC 22.108(4), 567 IAC 22.108(12)

G11. Evidence used in establishing that a violation has or is occurring.

Notwithstanding any other provisions of these rules, any credible evidence may be used for the purpose of establishing whether a person has violated or is in violation of any provisions herein.

- 1. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred at a source:
 - a. A monitoring method approved for the source and incorporated in an operating permit pursuant to 567 Chapter 22;
 - b. Compliance test methods specified in 567 Chapter 25; or
 - c. Testing or monitoring methods approved for the source in a construction permit issued pursuant to 567 Chapter 22.
- 2. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a. Any monitoring or testing methods provided in these rules; or
 - b. Other testing, monitoring, or information gathering methods that produce information comparable to that produced by any method in subrule 21.5(1) or this subrule. 567 IAC 21.5(1)-567 IAC 21.5(2)

G12. Prevention of Accidental Release: Risk Management Plan Notification and Compliance Certification

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Act, the permittee shall notify the department of this requirement. The plan shall be filed with all appropriate authorities by the deadline specified by EPA. A certification that this risk management plan is being properly implemented shall be included in the annual compliance certification of this permit. 567 IAC 22.108(6)

G13. Hazardous Release

The permittee must report any situation involving the actual, imminent, or probable release of a hazardous substance into the atmosphere which, because of the quantity, strength and toxicity of the substance, creates an immediate or potential danger to the public health, safety or to the environment. A verbal report shall be made to the department at (515) 281-8694 and to the local police department or the office of the sheriff of the affected county as soon as possible but not later than six hours after the discovery or onset of the condition. This verbal report must be followed up with a written report as indicated in 567 IAC 131.2(2). 567 IAC Chapter 131-State Only

G14. Excess Emissions and Excess Emissions Reporting Requirements

1. Excess Emissions. Excess emission during a period of startup, shutdown, or cleaning of control equipment is not a violation of the emission standard if the startup, shutdown or cleaning is accomplished expeditiously and in a manner consistent with good practice for minimizing emissions. Cleaning of control equipment which does not require the shutdown of the process equipment shall be limited to one six-minute period per one-hour period. An incident of excess emission (other than an incident during startup, shutdown or cleaning of control equipment) is a violation. If the owner or operator of a source maintains that the incident of excess emission was due to a malfunction, the owner or operator must show that the conditions which caused the incident of excess emission were not preventable by reasonable maintenance and control measures. Determination of any subsequent enforcement action will be made following review

of this report. If excess emissions are occurring, either the control equipment causing the excess emission shall be repaired in an expeditious manner or the process generating the emissions shall be shutdown within a reasonable period of time. An expeditious manner is the time necessary to determine the cause of the excess emissions and to correct it within a reasonable period of time. A reasonable period of time is eight hours plus the period of time required to shut down the process without damaging the process equipment or control equipment. In the case of an electric utility, a reasonable period of time is eight hours plus the period of time until comparable generating capacity is available to meet consumer demand with the affected unit out of service, unless, the director shall, upon investigation, reasonably determine that continued operation constitutes an unjustifiable environmental hazard and issue an order that such operation is not in the public interest and require a process shutdown to commence immediately.

2. Excess Emissions Reporting

- a. Oral Reporting of Excess Emissions. An incident of excess emission (other than an incident of excess emission during a period of startup, shutdown, or cleaning) shall be reported to the appropriate field office of the department within eight hours of, or at the start of the first working day following the onset of the incident. The reporting exemption for an incident of excess emission during startup, shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in 567-subrule 25.1(6). An oral report of excess emission is not required for a source with operational continuous monitoring equipment (as specified in 567-subrule 25.1(1)) if the incident of excess emission continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity. The oral report may be made in person or by telephone and shall include as a minimum the following:
 - i. The identity of the equipment or source operation from which the excess emission originated and the associated stack or emission point.
 - ii. The estimated quantity of the excess emission.
 - iii. The time and expected duration of the excess emission.
 - iv. The cause of the excess emission.
 - v. The steps being taken to remedy the excess emission.
 - vi. The steps being taken to limit the excess emission in the interim period.
- b. Written Reporting of Excess Emissions. A written report of an incident of excess emission shall be submitted as a follow-up to all required oral reports to the department within seven days of the onset of the upset condition, and shall include as a minimum the following:
 - i. The identity of the equipment or source operation point from which the excess emission originated and the associated stack or emission point.
 - ii. The estimated quantity of the excess emission.
 - iii. The time and duration of the excess emission.
 - iv. The cause of the excess emission.
 - v. The steps that were taken to remedy and to prevent the recurrence of the incident of excess emission.
 - vi. The steps that were taken to limit the excess emission.
 - vii. If the owner claims that the excess emission was due to malfunction, documentation to support this claim. 567 IAC 24.1(1)-567 IAC 24.1(4)
- 3. Emergency Defense for Excess Emissions. For the purposes of this permit, an "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which requires immediate corrective action to restore

normal operation, and that causes the source to exceed a technology-based emission limitation under the permit due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include non-compliance, to the extent caused by improperly designed equipment, lack of preventive maintenance, careless or improper operation or operator error. An emergency constitutes an affirmative defense to an action brought for non-compliance with technology based limitations if it can be demonstrated through properly signed contemporaneous operating logs or other relevant evidence that:

- a. An emergency occurred and that the permittee can identify the cause(s) of the emergency;
- b. The facility at the time was being properly operated;
- c. During the period of the emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements of the permit; and
- d. The permittee submitted notice of the emergency to the director by certified mail within two working days of the time when the emissions limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken. 567 IAC 22.108(16)

G15. Permit Deviation Reporting Requirements

A deviation is any failure to meet a term, condition or applicable requirement in the permit. Reporting requirements for deviations that result in a hazardous release or excess emissions have been indicated above (see G13 and G14). Unless more frequent deviation reporting is specified in the permit, any other deviation shall be documented in the semi-annual monitoring report and the annual compliance certification (see G4 and G5). 567 IAC 22.108(5)"b"

G16. Notification Requirements for Sources That Become Subject to NSPS and NESHAP Regulations

During the term of this permit, the permittee must notify the department of any source that becomes subject to a standard or other requirement under 567-subrule 23.1(2) (standards of performance of new stationary sources) or section 111 of the Act; or 567-subrule 23.1(3) (emissions standards for hazardous air pollutants), 567-subrule 23.1(4) (emission standards for hazardous air pollutants for source categories) or section 112 of the Act. This notification shall be submitted in writing to the department pursuant to the notification requirements in 40 CFR Section 60.7, 40 CFR Section 61.07, and/or 40 CFR Section 63.9. 567 IAC 23.1(2), 567 IAC 23.1(4)

G17. Requirements for Making Changes to Emission Sources That Do Not Require Title V Permit Modification

- 1. Off Permit Changes to a Source. Pursuant to section 502(b)(10) of the CAAA, the permittee may make changes to this installation/facility without revising this permit if:
 - a. The changes are not major modifications under any provision of any program required by section 110 of the Act, modifications under section 111 of the act, modifications under section 112 of the act, or major modifications as defined in 567 IAC Chapter 22.
 - b. The changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or in terms of total emissions);
 - c. The changes are not modifications under any provisions of Title I of the Act and the changes do not exceed the emissions allowable under the permit (whether expressed therein as a rate of emissions or as total emissions);
 - d. The changes are not subject to any requirement under Title IV of the Act.
 - e. The changes comply with all applicable requirements.
 - f. For such a change, the permitted source provides to the department and the

administrator by certified mail, at least 30 days in advance of the proposed change, a written notification, including the following, which must be attached to the permit by the source, the department and the administrator:

- i. A brief description of the change within the permitted facility,
- ii. The date on which the change will occur,
- iii. Any change in emission as a result of that change,
- iv. The pollutants emitted subject to the emissions trade
- v. If the emissions trading provisions of the state implementation plan are invoked, then Title V permit requirements with which the source shall comply; a description of how the emissions increases and decreases will comply with the terms and conditions of the Title V permit.
- vi. A description of the trading of emissions increases and decreases for the purpose of complying with a federally enforceable emissions cap as specified in and in compliance with the Title V permit; and
- vii. Any permit term or condition no longer applicable as a result of the change. 567 IAC 22.110(1)
- 2. Such changes do not include changes that would violate applicable requirements or contravene federally enforceable permit terms and conditions that are monitoring (including test methods), record keeping, reporting, or compliance certification requirements. 567 IAC 22.110(2)
- 3. Notwithstanding any other part of this rule, the director may, upon review of a notice, require a stationary source to apply for a Title V permit if the change does not meet the requirements of subrule 22.110(1). 567 IAC 22.110(3)
- 4. The permit shield provided in subrule 22.108(18) shall not apply to any change made pursuant to this rule. Compliance with the permit requirements that the source will meet using the emissions trade shall be determined according to requirements of the state implementation plan authorizing the emissions trade. 567 IAC 22.110(4)
- 5. No permit revision shall be required, under any approved economic incentives, marketable permits, emissions trading and other similar programs or processes, for changes that are provided for in this permit. 567 IAC 22.108(11)

G18. Duty to Modify a Title V Permit

- 1. Administrative Amendment.
 - a. An administrative permit amendment is a permit revision that is required to do any of the following:
 - i. Correct typographical errors
 - ii. Identify a change in the name, address, or telephone number of any person identified in the permit, or provides a similar minor administrative change at the source:
 - iii. Require more frequent monitoring or reporting by the permittee; or
 - iv. Allow for a change in ownership or operational control of a source where the director determines that no other change in the permit is necessary, provided that a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new permittee has been submitted to the director.
 - b. The permittee may implement the changes addressed in the request for an administrative amendment immediately upon submittal of the request. The request shall be submitted to the director.

c. Administrative amendments to portions of permits containing provisions pursuant to Title IV of the Act shall be governed by regulations promulgated by the administrator under Title IV of the Act.

2. Minor Permit Modification.

- a. Minor permit modification procedures may be used only for those permit modifications that do any of the following:
 - i. Do not violate any applicable requirements
 - ii. Do not involve significant changes to existing monitoring, reporting or recordkeeping requirements in the Title V permit.
 - iii. Do not require or change a case by case determination of an emission limitation or other standard, or increment analysis.
 - iv. Do not seek to establish or change a permit term or condition for which there is no corresponding underlying applicable requirement and that the source has assumed in order to avoid an applicable requirement to which the source would otherwise be subject. Such terms and conditions include any federally enforceable emissions caps which the source would assume to avoid classification as a modification under any provision under Title I of the Act; and an alternative emissions limit approved pursuant to regulations promulgated under section 112(i)(5) of the Act.;
 - v. Are not modifications under any provision of Title I of the Act; and
 - vi. Are not required to be processed as significant modification.
- b. An application for minor permit revision shall be on the minor Title V modification application form and shall include at least the following:
 - i. A description of the change, the emissions resulting from the change, and any new applicable requirements that will apply if the change occurs.
 - ii. The permittee's suggested draft permit
 - iii. Certification by a responsible official, pursuant to 567 IAC 22.107(4), that the proposed modification meets the criteria for use of a minor permit modification procedures and a request that such procedures be used; and
 - iv. Completed forms to enable the department to notify the administrator and the affected states as required by 567 IAC 22.107(7).
- c. The permittee may make the change proposed in its minor permit modification application immediately after it files the application. After the permittee makes this change and until the director takes any of the actions specified in 567 IAC 22.112(4) "a" to "c", the permittee must comply with both the applicable requirements governing the change and the proposed permit terms and conditions. During this time, the permittee need not comply with the existing permit terms and conditions it seeks to modify. However, if the permittee fails to comply with its proposed permit terms and conditions during this time period, existing permit term terms and conditions it seeks to modify may subject the facility to enforcement action.
- 3. Significant Permit Modification. Significant Title V modification procedures shall be used for applications requesting Title V permit modifications that do not qualify as minor Title V modifications or as administrative amendments. These include but are not limited to all significant changes in monitoring permit terms, every relaxation of reporting or recordkeeping permit terms, and any change in the method of measuring compliance with existing requirements. Significant Title V modifications shall meet all requirements of 567 IAC Chapter 22, including those for applications, public participation, review by affected states, and review

by the administrator, and those requirements that apply to Title V issuance and renewal. 567 IAC 22.111-567 IAC 22.113 The permittee shall submit an application for a significant permit modification not later than three months after commencing operation of the changed source unless the existing Title V permit would prohibit such construction or change in operation, in which event the operation of the changed source may not commence until the department revises the permit. 567 IAC 22.105(1)"a"(4)

G19. Duty to Obtain Construction Permits

Unless exempted under 567 IAC 22.1(2), the permittee must not construct, install, reconstruct, or alter any equipment, control equipment or anaerobic lagoon without first obtaining a construction permit, conditional permit, or permit pursuant to 567 IAC 22.8, or permits required pursuant to 567 IAC 22.4 and 567 IAC 22.5. Such permits shall be obtained prior to the initiation of construction, installation or alteration of any portion of the stationary source. 567 IAC 22.1(1) **G20. Asbestos**

The permittee shall comply with 567 IAC 23.1(3)"a", and 567 IAC 23.2(3)"g" when conducting any renovation or demolition activities at the facility. 567 IAC 23.1(3)"a", and 567 IAC 23.2

G21. Open Burning

The permittee is prohibited from conducting open burning, except as may be allowed by 567 IAC 23.2. 567 IAC 23.2 except 23.2(3)"h"; 567 IAC 23.2(3)"h" - State Only

G22. Acid Rain (Title IV) Emissions Allowances

The permittee shall not exceed any allowances that it holds under Title IV of the Act or the regulations promulgated there under. Annual emissions of sulfur dioxide in excess of the number of allowances to emit sulfur dioxide held by the owners and operators of the unit or the designated representative of the owners and operators is prohibited. Exceedences of applicable emission rates are prohibited. "Held" in this context refers to both those allowances assigned to the owners and operators by USEPA, and those allowances supplementally acquired by the owners and operators. The use of any allowance prior to the year for which it was allocated is prohibited. Contravention of any other provision of the permit is prohibited. 567 IAC 22.108(7)

G23. Stratospheric Ozone and Climate Protection (Title VI) Requirements

- 1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to § 82.106.
 - b. The placement of the required warning statement must comply with the requirements pursuant to § 82.108.
 - c. The form of the label bearing the required warning statement must comply with the requirements pursuant to § 82.110.
 - d. No person may modify, remove, or interfere with the required warning statement except as described in § 82.112.
- 2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for MVACs in Subpart B:
 - a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to § 82.156.
 - b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to § 82.158.
 - c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to § 82.161.

- d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with reporting and recordkeeping requirements pursuant to § 82.166. ("MVAC-like appliance" as defined at § 82.152)
- e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to § 82.156.
- f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to § 82.166.
- 3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR part 82, Subpart A, Production and Consumption Controls.
- 4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant,
- 5. The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR part 82, Subpart G, Significant New Alternatives Policy Program. 40 CFR part 82

G24. Permit Reopenings

- 1. This permit may be modified, revoked, reopened, and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. 567 IAC 22.108(9)"c"
- 2. Additional applicable requirements under the Act become applicable to a major part 70 source with a remaining permit term of 3 or more years. Revisions shall be made as expeditiously as practicable, but not later than 18 months after the promulgation of such standards and regulations.
 - a. Reopening and revision on this ground is <u>not</u> required if the permit has a remaining term of less than three years;
 - b. Reopening and revision on this ground is <u>not</u> required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions have been extended pursuant to 40 CFR 70.4(b)(10)(i) or (ii) as amended to June 25, 1993.
 - c. Reopening and revision on this ground is <u>not</u> required if the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. 567 IAC 22.108(17)"a", 567 IAC 22.108(17)"b"

- 3. A permit shall be reopened and revised under any of the following circumstances:
 - a. The department receives notice that the administrator has granted a petition for disapproval of a permit pursuant to 40 CFR 70.8(d) as amended to June 25, 1993, provided that the reopening may be stayed pending judicial review of that determination; b. The department or the administrator determines that the Title V permit contains a
 - b. The department or the administrator determines that the Title V permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Title V permit;
 - c. Additional applicable requirements under the Act become applicable to a Title V source, provided that the reopening on this ground is not required if the permit has a remaining term of less than three years, the effective date of the requirement is later than the date on which the permit is due to expire, or the additional applicable requirements are implemented in a general permit that is applicable to the source and the source receives approval for coverage under that general permit. Such a reopening shall be complete not later than 18 months after promulgation of the applicable requirement.
 - d. Additional requirements, including excess emissions requirements, become applicable to a Title IV affected source under the acid rain program. Upon approval by the administrator, excess emissions offset plans shall be deemed to be incorporated into the permit.
 - e. The department or the administrator determines that the permit must be revised or revoked to ensure compliance by the source with the applicable requirements. 567 IAC 22.114(1)
- 4. Proceedings to reopen and reissue a Title V permit shall follow the procedures applicable to initial permit issuance and shall effect only those parts of the permit for which cause to reopen exists. 567 IAC 22.114(2)

G25. Permit Shield

- 1. The director may expressly include in a Title V permit a provision stating that compliance with the conditions of the permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that:
 - a. Such applicable requirements are included and are specifically identified in the permit; or
 - b. The director, in acting on the permit application or revision, determines in writing that other requirements specifically identified are not applicable to the source, and the permit includes the determination or a concise summary thereof.
- 2. A Title V permit that does not expressly state that a permit shield exists shall be presumed not to provide such a shield.
- 3. A permit shield shall not alter or affect the following:
 - a. The provisions of Section 303 of the Act (emergency orders), including the authority of the administrator under that section;
 - b. The liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance;
 - c. The applicable requirements of the acid rain program, consistent with Section 408(a) of the Act;
 - d. The ability of the department or the administrator to obtain information from the facility pursuant to Section 114 of the Act. 567 IAC 22.108 (18)

G26. Severability

The provisions of this permit are severable and if any provision or application of any provision is found to be invalid by this department or a court of law, the application of such provision to

other circumstances, and the remainder of this permit, shall not be affected by such finding. 567 IAC 22.108 (8)

G27. Property Rights

The permit does not convey any property rights of any sort, or any exclusive privilege. 567 IAC 22.108 (9)"d"

G28. Transferability

This permit is not transferable from one source to another. If title to the facility or any part of it is transferred, an administrative amendment to the permit must be sought to determine transferability of the permit. 567 IAC 22.111 (1)"d"

G29. Disclaimer

No review has been undertaken on the engineering aspects of the equipment or control equipment other than the potential of that equipment for reducing air contaminant emissions. 567 IAC 22.3(3)"c"

G30. Notification and Reporting Requirements for Stack Tests or Monitor Certification The permittee shall notify the department's stack test contact in writing not less than 30 days before a required test or performance evaluation of a continuous emission monitor is performed to determine compliance with an applicable requirement. For the department to consider test results a valid demonstration of compliance with applicable rules or a permit condition, such notice shall be given. Such notice shall include the time, the place, the name of the person who will conduct the test and other information as required by the department. Unless specifically waived by the department's stack test contact, a pretest meeting shall be held not later than 15 days prior to conducting the compliance demonstration. The department may accept a testing protocol in lieu of a pretest meeting. A representative of the department shall be permitted to witness the tests. Results of the tests shall be submitted in writing to the department's stack test contact in the form of a comprehensive report within six weeks of the completion of the testing. Compliance tests conducted pursuant to this permit shall be conducted with the source operating in a normal manner at its maximum continuous output as rated by the equipment manufacturer, or the rate specified by the owner as the maximum production rate at which the source shall be operated. In cases where compliance is to be demonstrated at less than the maximum continuous output as rated by the equipment manufacturer, and it is the owner's intent to limit the capacity to that rating, the owner may submit evidence to the department that the source has been physically altered so that capacity cannot be exceeded, or the department may require additional testing, continuous monitoring, reports of operating levels, or any other information deemed necessary by the department to determine whether such source is in compliance.

Stack test notifications, reports and correspondence shall be sent to:

Stack Test Review Coordinator Iowa DNR, Air Quality Bureau 7900 Hickman Road, Suite #1 Urbandale, IA 50322 (515) 242-6001

Within Polk and Linn Counties, stack test notifications, reports and correspondence shall also be directed to the supervisor of the respective county air pollution program. 567 IAC 25.1(7)"a", 567 IAC 25.1(9)

G31. Prevention of Air Pollution Emergency Episodes

The permittee shall comply with the provisions of 567 IAC Chapter 26 in the prevention of excessive build-up of air contaminants during air pollution episodes, thereby preventing the occurrence of an emergency due to the effects of these contaminants on the health of persons. 567 IAC 26.1(1)

G32. Contacts List

The current address and phone number for reports and notifications to the EPA administrator is:

Chief of Air Permits

EPA Region 7

Air Permits and Compliance Branch

901 N. 5th Street

Kansas City, KS 66101

(913) 551-7020

The current address and phone number for reports and notifications to the department or the Director is:

Chief, Air Quality Bureau Iowa Department of Natural Resources 7900 Hickman Road, Suite #1 Urbandale, IA 50322 (515) 242-5100

Reports or notifications to the DNR Field Offices or local programs shall be directed to the supervisor at the appropriate field office or local program. Current addresses and phone numbers are:

Field Office 1

909 West Main – Suite 4 Manchester, IA 52057 (563) 927-2640

Field Office 3

1900 N. Grand Ave. Spencer, IA 51301 (712) 262-4177

Field Office 5

401 SW 7th Street, Suite I Des Moines, IA 50309 (515) 725-0268

Polk County Public Works Dept.

Air Quality Division 5885 NE 14th St. Des Moines, IA 50313 (515) 286-3351

Field Office 2

P.O. Box 1443 2300-15th St., SW Mason City, IA 50401 (641) 424-4073

Field Office 4

1401 Sunnyside Lane Atlantic, IA 50022 (712) 243-1934

Field Office 6

1023 West Madison Street Washington, IA 52353-1623 (319) 653-2135

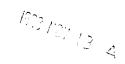
Linn County Public Health Dept.

Air Pollution Control Division 501 13th St., NW Cedar Rapids, IA 52405 (319) 892-6000

V. Appendix A: DNR Air Quality Policy 3-b-08 (Opacity Limits)

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IOWA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL PROTECTION DIVISION



POLICY/PROCEDURE STATEMENT

TOPIC: Opacity Limits

Policy Procedure Number: 3 - b - 08 Replaces Number: None

Date:

Effective Date: November 12, 1998

Preparer: David Phelps

Reviewer:

Bureau Chief: Peter Hamlin Approval:

Date: 11/12/98

Division Administrator: Allan Stokes

Date: /1/12/98

Applicable Code of Iowa or Iowa Administrative Code Rule:

"No person shall allow, cause or permit the emission of visible air contaminants into the atmosphere from any equipment, internal combustion engine, premise fire, open fire or stack, equal to or in excess of 40 percent opacity or that level specified in a construction permit, except as provided below and in 567-Chapter 24."

REASON OR BACKGROUND

The default opacity limit allowed by regulation is 40%. This limit was established with the original regulations in 1970. It is generally accepted that opacity greater than 40% was evidence of a mass emission standard exceedence. More recently, there have been requests from facilities for limits much lower than that allowed by the regulations, in some cases less than 0.01 gr/scf to which a 40% opacity limit does not correspond. Since opacity is used as an indicator of the particulate emission rate, listing an indicated potential problem opacity that is more in line with the mass emission rate is useful. In order to have the authority to set limits lower than 40%, subrule 23.3(2)d was changed. This change allows the department the ability to set opacity limits at a level that more closely corresponds to what would be observed by the source when operating in compliance with its mass emission rate.

Except in the case where a specific opacity limit is established by rule, it has been the general policy of the Department not to take action on opacity limits directly. Rather, if it is felt that a violation of the mass emission rate exists that is not attributable to some abnormal event, a stack test would be required to verify compliance. However, the Department reserves the right to use the results of formal opacity readings as evidence of an exceedence.

DETAILS

It shall be the policy of the Department to list the default opacity as a permit condition and in addition an indicator opacity may be listed.

For ease of proving continual compliance a source may request a 'no visible emissions' opacity limit which allows proof of compliance without having a certified opacity reading taken. In this case any visible emissions would be an exceedence.

The IDNR permit writer may list an opacity that will be a indicator of possible mass emission rate exceedence. If the permitee wishes, the recommended indicator opacity may be changed by demonstrating compliance with the mass emission rate during a stack test while emitting the new desired indicator opacity. If the tested mass emission rate is less than the permitted emission rate, then the desired indicator opacity may be set at a proportionally higher level than observed during the stack test.

If an opacity measurement, taken in accordance with an approved reference method for opacity, (generally USEPA Method 9 or 22) exceeds the indicator opacity then the facility will promptly investigate the source and make corrections. However, if after corrections are made the opacity continues to exceed the indicator opacity the Department may require additional proof to demonstrate compliance with the mass emissions limits.

Recommended indicator opacities shall be:

Grain Loading gr./scf Recommended Indicator Opac		
<0.01 gr./scf	non specified in permit *	
0.01 to 0.06 gr./scf	10% Opacity	
0.061 to 0.08 gr./scf	20% Opacity	
0.081 to 0.1 gr./scf	25% Opacity	

^{*} A line is added to the permit that states: "If visible emissions are observed other that startup, shut-down, or malfunction, a stack test may be required to demonstrate compliance with the particulate standard."

If a source is a batch process the indicator opacity shall be based on the table above, but the opacity averaging period, for comparison to the indicator opacity, shall be the entire batch cycle. For purposes of comparison to the indicator opacity readings shall be taken during the entire cycle and averaged.

Sources are also given the opportunity to set source specific limits to be coordinated with the initial compliance test. These may then be incorporated into the permit.

In all cases an exceedence of the indicator opacity will require the permitee to file an "indicator opacity exceedence report" to the IDNR regional office. The reporting requirements shall be:

Oral report of excess indicator opacity. An incident of excess indicator opacity (other than an incident of excess indicator opacity during a period of startup, shutdown, or cleaning) shall be reported to the appropriate regional office of the department within eight hours of, or at the start of the first working day following the onset of the of the incident. The reporting exemption for an incident of excess indicator opacity during startup and shutdown or cleaning does not relieve the owner or operator of a source with continuous monitoring equipment of the obligation of submitting reports required in subrule 25.1(6).

An oral report of excess indicator opacity is not required for a source with operational continuous monitoring equipment (as specified in subrule 25.1(1) if the incident of excess indicator opacity continues for less than 30 minutes and does not exceed the applicable visible emission standard by more than 10 percent opacity.

The oral report may be made in person or by telephone and shall include as a minimum the following:

- a) The identity of the equipment or source operation form which the excess indicator opacity originated and the associated stack or emission point.
- b) The estimated quantity of the excess indicator opacity.
- c) The time and expected duration of the excess indicator opacity.
- d) The cause of the excess indicator opacity.
- e) The steps being taken to remedy the excess indicator opacity.
- f) The steps being taken to limit the excess indicator opacity in the interim period.

Written report of excess indicator opacity. A written report of an incident of excess indicator opacity shall be submitted as a follow-up to all required oral reports to the department within seven (7) days of the onset of the upset condition, and shall include as a minimum the following:

- a) The identity of the equipment or source operation point from which the excess emission originate and the associated stack or emission point.
- b) The estimated quantity of the excess indicator opacity.
- c) The time and duration of the excess indicator opacity.
- d) The cause of the excess indicator opacity.
- e) The steps that were taken to remedy and to prevent the recurrence of the incident of excess indicator opacity.
- f) The steps that were taken to limit the excess indicator opacity.
- g) If the owner claims that the excess indicator opacity was due to malfunction, documentation to support this claim.

Exceptions to this policy:

- In the case where a facility has an opacity limit established in an existing permit, no change will be made to that permit limit unless the permit is being modified for other purposes.
- 2) If the facility has a continuous opacity monitor, this policy shall not apply.
- This policy shall not apply to opacity limits established in Prevention of Significant Deterioration (PSD) permits or permits that were established for maintenance plans for nonattainment areas.
- 4) This policy shall not apply where an opacity limit is established as an indication of hazardous air pollutants.

5) This policy shall not apply where an opacity limit is established by a rule, New Source Performance Standards (NSPS), National Emission Standards for Hazardous Air Pollutants (NESHAPS), etc.

VI. Appendix B: 40 CFR Part 63 Subpart JJJJJ Tables

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of various design mechanisms to increase the contact between exhaust gases and the sorbent.

Tables to Subpart JJJJJ of Part 63

As stated in § 63.8405, you must meet each emission limit in the following table that applies to you:

TABLE 1 TO SUBPART JJJJJ OF PART 63.—EMISSION LIMITS

For each	You must meet the following emission limits	Or you must comply with the following
 Existing large tunnel kiln (design capacity ≥10 tph of fired product), excluding any process stream that is ducted to a sawdust dryer prior to July 22, 2002; or including any process stream that exhausts directly to the atmosphere or to an APCD and any process stream that is first ducted to a sawdust on or after July 22, 2002; each new or reconstructed small tunnel kiln (design capacity <10 tph of fired product), including all process streams; each tunnel kiln that would be considered reconstructed but for §63.8390(i)(1), including all process streams; and each large tunnel kiln previously equipped with a DLA that would be considered reconstructed but for §63.8390(i)(2), including all process streams. New or reconstructed large tunnel kiln, including all process streams. 	a. HF emissions must not exceed 0.029 kilograms per megagram (kg/Mg) (0.057 pounds per ton (lb/ton)) of fired product. b. HCl emissions must not exceed 0.13 kg/Mg (0.26 lb/ton) of fired product. c. PM emissions must not exceed 0.21 kg/Mg (0.42 lb/ton) of fired product. a. HF emissions must not exceed 0.029 kg/Mg (0.057 lb/ton) of fired product. b. HCl emissions must not exceed 0.028 kg/Mg (0.056 lb/ton) of fired product. c. PM emissions must not exceed 0.060 kg/Mg (0.12 lb/ton) of fired product.	Reduce uncontrolled HF emissions by at least 90 percent. Reduce uncontrolled HCl emissions by at least 30 percent. Not applicable. Reduce uncontrolled HF emissions by at least 90 percent. Reduce uncontrolled HCl emissions by at least 85 percent. Not applicable.

As stated in § 63.8405, you must meet each operating limit in the following table that applies to you:

TABLE 2 TO SUBPART JJJJJ OF PART 63.—OPERATING LIMITS

For each	You must
1. Kiln equipped with a DLA	a. Maintain the average pressure drop across the DLA for each 3-hour block period at or above the average pressure drop established during the performance test; and b. Maintain an adequate amount of limestone in the limestone hopper, storage bin (located at the top of the DLA), and DLA at all times; maintain the limestone feeder setting at or above the level established during the performance test; and c. Use the same grade of limestone from the same source as was used during the performance test; maintain records of the source and grade of limestone; and
2. Kiln equipped with a DIFF or DLS/FF	and grade of limestone; and d. Maintain no VE from the DLA stack. a. If you use a bag leak detection system, initiate corrective action within 1 hour of a bag leak detection system alarm and complete corrective actions in accordance with your OM&M plan; operate and maintain the fabric filter such that the alarm is not engaged for more than 5 percent of the total operating time in a 6-month block reporting period; or maintain no VE from the DIFF or DLS/FF stack; and
	b. Maintain free-flowing lime in the feed hopper or silo and to the APCD at all times for continuous injection systems; maintain the feeder setting at or above the level established during the perform- ance test for continuous injection systems.
3. Kiln equipped with a WS	a. Maintain the average scrubber pressure drop for each 3-hour block period at or above the average pressure drop established during the performance test; and b. Maintain the average scrubber liquid pH for each 3-hour block period at or above the average scrubber liquid pH established during the performance test; and
	 c. Maintain the average scrubber liquid flow rate for each 3-hour block period at or above the average scrubber liquid flow rate established during the performance test; and d. If chemicals are added to the scrubber water, maintain the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate established during the performance test.

As stated in \S 63.8445, you must conduct each performance test in the following table that applies to you:

TABLE 3 TO SUBPART JJJJJ OF PART 63.—REQUIREMENTS FOR PERFORMANCE TESTS

For each	You must	Using	According to the following requirements
1. Kiln	Select locations of sampling ports and the number of traverse points.	Method 1 or 1A of 40 CFR part 60, appendix A.	Sampling sites must be located at the outlet of the APCD and prior to any releases to the atmosphere for all affected sources. If you choose to meet the percent emission reduction requirements for HF or HCl, a sampling site must also be located at the APCD inlet.
	b. Determine velocities and volumetric flow rate.	Method 2 of 40 CFR part 60, appendix A.	You may use Method 2A, 2C, 2D, 2F, or 2G of 40 CFR part 60, appendix A, as appropriate, as an alternative to using Method 2 of 40 CFR part 60, appendix A.
	c. Conduct gas molecular weight analysis.	Method 3 of 40 CFR part 60, appendix A.	You may use Method 3A or 3B of 40 CFR part 60, appendix A, as appropriate, as an alternative to using Method 3 of 40 CFR part 60, appendix A.
	d. Measure moisture content of the stack gas.	Method 4 of 40 CFR part 60, appendix A.	
	e. Measure HF and HCI emissions.	Method 26A of 40 CFR part 60, appendix A; or	Conduct the test while operating at the maximum production level. You may use Method 26 of 40 CFR part 60, appendix A, as an alternative to using Method 26A of 40 CFR part 60, appendix A, when no acid PM (e.g., HF or HCl dissolved in water droplets emitted by sources controlled by a WS) is present.
		Method 320 of 40 CFR part 63, appendix A.	Conduct the test while operating at the maximum production level. When using Method 320 of 40 CFR part 63, appendix A, you must follow the analyte spiking procedures of section 13 of Method 320 of 40 CFR part 63, appendix A, unless you can demonstrate that the complete spiking procedure has been conducted at a similar source.
	f. Measure PM emissions.	Method 5 of 40 CFR part 60, appendix A.	Conduct the test while operating at the maximum production level.
Kiln that is complying with production-based emission limits.	Determine the production rate during each test run in order to determine compliance with production-based emission limits.	Production data collected during the performance tests (e.g., no. of pushes per hour, no. of bricks per kiln car, weight of a typical fired brick).	You must measure and record the production rate, on a fired-product basis, of the affected source for each of the three test runs.
3. Kiln equipped with a DLA	Establish the operating limit for the average pressure drop across the DLA.	Data from the pressure drop measurement device during the performance test.	You must continuously measure the pressure drop across the DLA, determine and record the block average pressure drop values for the three test runs, and determine and record the 3-hour block average of the recorded pressure drop measurements for the three test runs.

TABLE 3 TO SUBPART JJJJJ OF PART 63.—REQUIREMENTS FOR PERFORMANCE TESTS—Continued

For each	You must	Using	According to the following requirements
	b. Establish the operating limit for the limestone feeder setting.	Data from the limestone feeder during the performance test.	You must ensure that you maintain an adequate amount of limestone in the limestone hopper, storage bin (located at the top of the DLA), and DLA at all times during the performance test. You must establish your limestone feeder setting one week prior to the performance test and maintain the feeder setting for the one-week period that precedes the performance test and during the performance test.
	c. Document the source and grade of limestone used.	Records of limestone purchase.	
Kiln equipped with a DIFF or DLS/FF.	Establish the operating limit for the lime feeder setting.	Data from the lime feeder during the performance test.	For continuous lime injection systems, you must ensure that lime in the feed hopper or silo and to the APCD is free-flowing at all times during the performance test and record the feeder setting for the three test runs. If the feed rate setting varies during the three test runs, determine and record the average feed rate from the three test runs.
5. Kiln equipped with a WS	Establish the operating limit for the average scrubber pressure drop.	Data from the pressure drop measurement device during the performance test.	You must continuously measure the scrubber pressure drop, determine and record the block average pressure drop values for the three test runs, and determine and record the 3-hour block average of the recorded pressure drop measurements for the three test runs.
	b. Establish the operating limit for the average scrubber liquid pH.	Data from the pH measurement device during the performace test.	You must continuously measure the scrubber liquid pH, determine and record the block average pH values for the three test runs, and determine and record the 3-hour block average of the recorded pH measurements for the three test runs.
	c. Establish the operating limit for the average scrubber liquid flow rate.	Data from the flow rate measure- ment device during the perform- ance test.	You must continuously measure the scrubber liquid flow rate, determine and record the block average flow rate values for the three test runs, and determine and record the 3-hour block average of the recorded flow rate measurements for the three test runs.
Kiln equipped with a WS that includes chemical addition to the water.	Establish the operating limit for the average scrubber chemical feed rate.	Data from the chemical feed rate measurement device during the performance test.	You must continuously measure the scrubber chemical feed rate, determine and record the block average chemical feed rate values for the three test runs, and determine and record the 3-hour block average of the recorded chemical feed rate measurements for the three test runs.

As stated in § 63.8455, you must demonstrate initial compliance with each emission limitation that applies to you according to the following table:

TABLE 4 TO SUBPART JJJJJ OF PART 63.—INITIAL COMPLIANCE WITH EMISSION LIMITATIONS

For each	For the following emission limitation	You have demonstrated initial compliance if
1. Existing large tunnel kiln (design capacity ≥10 tph of fired product), excluding any process stream that is ducted to a sawdust dryer prior to July 22, 2002; or including any process stream that exhausts directly to the atmosphere or to an APCD and any process stream that is first ducted to a sawdust dryer on or after July 22, 2002; each new or reconstructed small tunnel kiln (design capacity <10 tph of fired product), including all process streams; each tunnel kiln that would be considered reconstructed but for § 63.8390(i)(1), including all process streams; and each large tunnel kiln previously equipped with a DLA that would be considered reconstructed but for § 63.8390(i)(2), including all process streams.	a. HF emissions must not exceed 0.029 kg/Mg (0.057 lb/ton) of fired product; or uncontrolled HF emissions must be reduced by at least 90 percent; and	i. The HF emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test, according to the calculations in § 63.8445(g)(1), do not exceed 0.029 kg/Mg (0.057 lb/ton); or uncontrolled HF emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test are reduced by at least 90 percent, according to the calculations in § 63.8445(g)(2); and ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the 3-hour performance test during which HF emissions did not exceed 0.029 kg/Mg (0.057 lb/ton) or uncontrolled HF emissions were reduced by at least 90 percent.
	b. HCl emissions must not exceed 0.13 kg/Mg (0.26 lb/ton) of fired product; or uncontrolled HCl emissions must be reduced by at least 30 percent; and	i. The HCl emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test, according to the calculations in § 63.8445(g)(1), do not exceed 0.13 kg/Mg (0.26 lb/ton); or uncontrolled HCl emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test are reduced by at least 30 percent, according to the calculations in § 63.8445(g)(2); and ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the 3-hour performance test during which HCl emissions did not exceed 0.13 kg/Mg (0.26 lb/ton) or uncontrolled HCl emissions were reduced by at least 30 percent.
	c. PM emissions must not exceed 0.21 kg/Mg (0.42 lb/ton) of fired product.	i. The PM emissions measured using Method 5 of 40 CFR part 60, appendix A, over the period of the initial performance test, according to the calculations in § 63.8445(g)(1), do not exceed 0.21 kg/Mg (0.42 lb/ton); and ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the 3-hour performance test during which PM emissions did not exceed 0.21 kg/Mg (0.42 lb/ton).
New or reconstructed large tunnel kiln, including all process streams.	a. HF emissions must not exceed 0.029 kg/ Mg (0.057 lb/ton) of fired product; or uncon- trolled HF emissions must be reduced by at least 90 percent; and	i. The HF emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test, according to the calculations in § 63.8445(g)(1), do not exceed 0.029 kg/Mg (0.057 lb/ton); or uncontrolled HF emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test are reduced by at least 90 percent, according to the calculations in § 63.8445(g)(2); and

TABLE 4 TO SUBPART JJJJJ OF PART 63.—INITIAL COMPLIANCE WITH EMISSION LIMITATIONS—Continued

For each	For the following emission limitation	You have demonstrated initial compliance if
	b. HCl emissions must not exceed 0.028 kg/ Mg (0.056 lb/ton) of fired product; or uncon- trolled HCl emissions must be reduced by at least 85 percent; and	ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the 3-hour performance test during which HF emissions did not exceed 0.029 kg/Mg (0.057 lb/ton) or uncontrolled HF emissions were reduced by at least 90 percent. i. The HCl emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test, according to the calculations in § 63.8445(g)(1), do not exceed 0.028 kg/Mg (0.056 lb/ton); or uncontrolled HCl emissions measured using Method 26A of 40 CFR part 60, appendix A or Method 320 of 40 CFR part 63, appendix A over the period of the initial performance test are reduced by at least 85 percent, according to the calculations in § 63.8445(g)(2); and
	c. PM emissions must not exceed 0.060 kg/ Mg (0.12 lb/ton) of fired product.	ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the 3-hour performance test during which HCl emissions did not exceed 0.028 kg/Mg (0.056 lb/ton) or uncontrolled HCl emissions were reduced by at least 85 percent. i. The PM emissions measured using Method 5 of 40 CFR part 60, appendix A, over the period of the initial performance test, according to the calculations in § 63.8445(g)(1), do not exceed 0.060 kg/Mg (0.12 lb/ton); and ii. You establish and have a record of the operating limits listed in Table 2 to this subpart over the 3-hour performance test during which PM emissions did not exceed 0.060 kg/Mg (0.12 lb/ton).

As stated in § 63.8470, you must demonstrate continuous compliance with each emission limit and operating limit that applies to you according to the following table:

TABLE 5 TO SUBPART JJJJJ OF PART 63.—CONTINUOUS COMPLIANCE WITH EMISSION LIMITS AND OPERATING LIMITS

For each	For the following emission limits and operating limits	You must demonstrate continuous compliance by
1. Kiln equipped with a DLA	Each emission limit in Table 1 to this subpart and each operating limit in Item 1 of Table 2 to this subpart for kilns equipped with a DLA.	 i. Collecting the DLA pressure drop data according to §63.8450(a); reducing the DLA pressure drop data to 3-hour block averages according to §63.8450(a); maintaining the average pressure drop across the DLA for each 3-hour block period at or above the average pressure drop established during the performance test; and ii. Verifying that the limestone hopper and storage bin (located at the top of the DLA) contain adequate limestone by performing a daily visual check; and iii. Recording the limestone feeder setting daily to verify that the feeder setting is being maintained at or above the level established during the performance test; and iv. Using the same grade of limestone from the same source as was used during the performance test; maintaining records of the source and type of limestone; and v. Performing VE observations of the DLA stack at the frequency specified in §63.8470(g) using Method 22 of 40 CFR part 60, appendix A; maintaining no VE from the DLA stack.

TABLE 5 TO SUBPART JJJJJ OF PART 63.—CONTINUOUS COMPLIANCE WITH EMISSION LIMITS AND OPERATING LIMITS—Continued

For each	For the following emission limits and operating limits	You must demonstrate continuous compliance by
2. Kiln equipped with a DIFF or DLS/FF.	Each emission limit in Table 1 to this subpart and each operating limit in Item 2 of Table 2 to this subpart for kilns equipped with DIFF or DLS/FF.	i. If you use a bag leak detection system, initiating corrective action within 1 hour of a bag leak detection system alarm and completing corrective actions in accordance with your OM&M plan; operating and maintaining the fabric filter such that the alarm is not engaged for more than 5 percent of the total operating time in a 6-month block reporting period; in calculating this operating time fraction, if inspection of the fabric filter demonstrates that no corrective action is required, no alarm time is counted; if corrective action is required, each alarm is counted as a minimum of 1 hour; if you take longer than 1 hour to initiate corrective action, the alarm time is counted as the actual amount of time taken by you to initiate corrective action; or performing VE observations of the DIFF or DLS/FF stack at the frequency specified in §63.8470(g) using Method 22 of 40 CFR part 60, appendix A; maintaining no VE from the DIFF or DLS/FF stack; and
		ii. Verifying that lime is free-flowing via a load cell, carrier gas/lime flow indicator, carrier gas pressure drop measure- ment system, or other system; recording all monitor or sen- sor output, and if lime is found not to be free flowing, promptly initiating and completing corrective actions in ac- cordance with your OM&M plan; recording the feeder set- ting once during each shift of operation to verify that the feeder setting is being maintained at or above the level es- tablished during the performance test.
3. Kiln equipped with a WS	Each emission limit in Table 1 to this subpart and each operating limit in Item 3 of Table 2 to this subpart for kilns equipped with WS.	 i. Collecting the scrubber pressure drop data according to §63.8450(a); reducing the scrubber pressure drop data to 3-hour block averages according to §63.8450(a); maintaining the average scrubber pressure drop for each 3-hour block period at or above the average pressure drop established during the performance test; and ii. Collecting the scrubber liquid pH data according to §63.8450(a); reducing the scrubber liquid pH data to 3-hour block averages according to §63.8450(a); maintaining the average scrubber liquid pH for each 3-hour block period at or above the average scrubber liquid pH established during the performance test; and iii. Collecting the scrubber liquid flow rate data according to §63.8450(a); reducing the scrubber liquid flow rate data to 3-hour block averages according to §63.8450(a); maintaining the average scrubber liquid flow rate for each 3-hour block period at or above the average scrubber liquid flow rate established during the performance test; and iv. If chemicals are added to the scrubber water, collecting the scrubber chemical feed rate data according to §63.8450(a); reducing the scrubber chemical feed rate data to 3-hour block averages according to §63.8450(a); maintaining the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate for each 3-hour block period at or above the average scrubber chemical feed rate established during the performance test.

As stated in § 63.8485, you must submit each report that applies to you according to the following table:

TABLE 6 TO SUBPART JJJJJ OF PART 63.—REQUIREMENTS FOR REPORTS

You must submit	The report must contain	You must submit the report
1. A compliance report	a. If there are no deviations from any emission limitations (emission limits, operating limits) that apply to you, a statement that there were no deviations from the emission limitations during the reporting period. If there were no periods during which the CMS was out-of-control as specified in your OM&M plan, a statement that there were no periods during which the CMS was out- of-control during the reporting period.	

TARLE 6 TO SURPART	IIIII OF PART 63 -	-RECHIREMENTS FOR	REPORTS—Continued
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You must submit	The report must contain	You must submit the report
	b. If you have a deviation from any emission limitation (emission limit, operating limit) during the reporting period, the report must contain the information in § 63.8485(d) or (e). If there were periods during which the CMS was out-of-control, as specified in your OM&M plan, the report must contain the information in § 63.8485(e).	Semiannually according to the requirements in § 63.8485(b).
	c. If you had a startup, shutdown or malfunction during the reporting period and you took actions consistent with your SSMP, the compliance report must include the information in §63.10(d)(5)(i).	Semiannually according to the requirements in § 63.8485(b).
 An immediate startup, shutdown, and malfunction report if you took actions during a startup, shut- down, or malfunction during the reporting period that are not con- sistent with your SSMP. 	a. Actions taken for the event according to the requirements in	By fax or telephone within 2 working days after starting actions inconsistent with the plan.
•	b. The information in § 63.10(d)(5)(ii)	By letter within 7 working days after the end of the event unless you have made alternative arrangements with the permitting authority.

As stated in $\S 63.8505$, you must comply with the General Provisions in $\S \S 63.1$ through 63.15 that apply to you according to the following table:

TABLE 7 TO SUBPART JJJJJ OF PART 63.—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART JJJJJ

Citation	Subject	Brief description	Applies to subpart JJJJJ
§ 63.1	Applicability	Initial applicability determination; applicability after standard established; permit requirements; extensions, notifications.	Yes.
§ 63.2	Definitions	Definitions for part 63 standards	Yes.
§ 63.3	Units and Abbreviations	Units and abbreviations for part 63 standards	Yes.
§ 63.4	Prohibited Activities	Compliance date; circumvention; severability	Yes.
63.5	Construction/Reconstruction	Applicability; applications; approvals	Yes.
§63.6(a)	Applicability	General Provisions (GP) apply unless compliance extension; GP apply to area sources that become major.	Yes.
§ 63.6(b)(1)–(4)	Compliance Dates for New and Reconstructed sources.	Standards apply at effective date; 3 years after effective date; upon startup; 10 years after construction or reconstruction commences for section 112(f).	Yes.
§ 63.6(b)(5)		Must notify if commenced construction or reconstruction after proposal.	Yes.
§ 63.6(b)(6) § 63.6(b)(7)		Area sources that become major must comply with major source standards immediately upon becoming major, regardless of whether required to comply when they were	Yes.
§ 63.6(c)(1)–(2)	Compliance Dates for Existing Sources	area sources. Comply according to date in subpart, which must be no later than 3 years after effective date; for section 112(f) standards, comply within 90 days of effective date unless compliance extension.	Yes.
§ 63.6(c)(3)–(4)	[Reserved]	'	
§ 63.6(c)(5)	Compliance Dates for Existing area Sources That Become Major.	Area sources that become major must comply with major source standards by date indicated in subpart or by equivalent time period (for example, 3 years).	Yes.
§ 63.6(d)	[Reserved].		
§ 63.6(e)(1)–(2)		Operate to minimize emissions at all times; correct mal- functions as soon as practicable; requirements inde- pendently enforceable; information Administrator will use to determine if operation and maintenance require- ments were met.	Yes.
§ 63.6(e)(3)	Startup, Shutdown, and Malfunction Plan (SSMP).	Requirement for startup, shutdown, and malfunction (SSM) and SSMP; content of SSMP.	Yes.
§ 63.6(f)(1)	Compliance Except During SSM	You must comply with emission standards at all times except during SSM.	Yes.
§ 63.6(f)(2)–(3)	Methods for Determining Compliance	Compliance based on performance test, operation and maintenance plans, records, inspection.	Yes.
§ 63.6(g)	Alternative Standard	Procedures for getting an alternative standard	Yes.
	Opacity/VE Standards		

TABLE 7 TO SUBPART JJJJJ OF PART 63.—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART JJJJJ—Continued

Citation	Subject	Brief description	Applies to subpart JJJJJ
§ 63.6(i)	Compliance Extension	Procedures and criteria for Administrator to grant compliance extension.	Yes.
§ 63.6(j) § 63.7(a)(1)–(2)	Presidential Compliance Exemption Performance Test Dates	President may exempt source category Dates for conducting initial performance testing and other compliance demonstrations; must conduct 180 days	Yes. Yes.
§ 63.7(a)(3)	Section 114 Authority	after first subject to rule. Administrator may require a performance test under CAA section 114 at any time.	Yes.
§ 63.7(b)(1) § 63.7(b)(2)	Notification of Performance Test Notification of Rescheduling	Must notify Administrator 60 days before the test	Yes. Yes.
§ 63.7(c)	Quality Assurance(QA)/Test Plan	Requirements; test plan approval procedures; performance audit requirements; internal and external QA pro-	Yes.
§ 63.7(d) § 63.7(e)(1)	Testing Facilities Conditions for Conducting Performance Tests.	cedures for testing. Requirements for testing facilities Performance tests must be conducted under representative conditions.	Yes. No, § 63.8445 specifies require- ments.
§ 63.7(e)(2)–(3)	Conditions for Conducting Performance Tests.	Cannot conduct performance tests during SSM; not a violation to exceed standard during SSM. Must conduct according to subpart and EPA test methods unless Administrator approves alternative; must have at least three test runs of at least 1 hour each; compliance is based on arithmetic mean of three runs; conditions	Yes.
§ 63.7(f)	Alternative Test Method	when data from an additional test run can be used. Procedures by which Administrator can grant approval to use an alternative test method.	Yes.
§ 63.7(g)	Performance Test Data Analysis	Must include raw data in performance test report; must submit performance test data 60 days after end of test with the notification of compliance status.	Yes.
§ 63.7(h) § 63.8(a)(1)	Waiver of Tests	Procedures for Administrator to waive performance test Subject to all monitoring requirements in subpart	Yes. Yes.
§ 63.8(a)(2)	Performance Specifications	Performance Specifications in appendix B of 40 CFR part 60 apply.	Yes.
§ 63.8(a)(3) § 63.8(a)(4) § 63.8(b)(1)	[Reserved]. Monitoring with Flares Monitoring	Requirements for flares in §63.11 apply Must conduct monitoring according to standard unless Administrator approves alternative.	No, not applicable. Yes.
§ 63.8(b)(2)–(3)	toring Systems.	Specific requirements for installing and reporting on monitoring systems.	Yes.
	Monitoring System Operation and Maintenance.	Maintenance consistent with good air pollution control practices.	Yes.
	Routine and Predictable SSM	Reporting requirements for SSM when action is described in SSMP.	Yes.
§ 63.8(c)(1)(ii)	SSM not in SSMP	Reporting requirements for SSM when action is not described in SSMP. How Administrator determines if source complying with	Yes.
§ 63.8(c)(1)(iii) § 63.8(c)(2)–(3)	Compliance with Operation and Maintenance Requirements. Monitoring System Installation	operation and maintenance requirements. Must install to get representative emission and parameter	Yes.
§ 63.8(c)(4)	CMS Requirements	measurements. Requirements for CMS	No, §§ 63.8425 and
§ 63.8(c)(5)	Continuous Opacity Monitoring System	COMS minimum procedures	63.8465 specify requirements. No, not applicable.
§ 63.8(c)(6)	(COMS) Minimum Procedures. CMS Requirements	Zero and high level calibration check requirements	No, § 63.8425 specifies require-
§ 63.8(c)(7)–(8)	CMS Requirements	Out-of-control periods	ments. No, § 63.8425 specifies require-
§ 63.8(d)	CMS Quality Control	Requirements for CMS quality control	ments. No, § 63.8425 specifies require-
§ 63.8(e)	CMS Performance Evaluation	Requirements for CMS performance evaluation	ments. No, § 63.8425 specifies require-
§ 63.8(f)(1)–(5)	Alternative Monitoring Method	Procedures for Administrator to approve alternative monitoring.	ments. Yes.

TABLE 7 TO SUBPART JJJJJ OF PART 63.—APPLICABILITY OF GENERAL PROVISIONS TO SUBPART JJJJJ—Continued

Citation	Subject	Brief description	Applies to subpart JJJJJ
§ 63.8(f)(6)	Alternative to Relative Accuracy Test	Procedures for Administrator to approve alternative relative accuracy test for continuous emissions monitoring systems (CEMS).	No, not applicable.
§ 63.8(g)	Data Reduction	COMS and CEMS data reduction requirements	No, not applicable.
§ 63.9(a)	Notification Requirements	Applicability; State delegation	Yes.
§ 63.9(b)	Initial Notifications	Requirements for initial notifications	Yes.
§ 63.9(c)	Request for Compliance Extension	Can request if cannot comply by date or if installed BACT/LAER.	Yes.
§ 63.9(d)	Notification of Special Compliance Requirements for New Source.	For sources that commence construction between proposal and promulgation and want to comply 3 years after effective date.	Yes.
§ 63.9(e)	Notification of Performance Test	Notify Administrator 60 days prior	Yes.
§ 63.9(f)	Notification of VE/Opacity Test	Notify Administrator 30 days prior	No, not applicable.
§ 63.9(g)(1)	Additional Notifications When Using CMS.	Notification of performance evaluation	Yes.
§ 63.9(g)(2)–(3)	Additional Notifications When Using CMS.	Notification of COMS data use; notification that relative accuracy alternative criterion were exceeded.	No, not applicable.
§ 63.9(h)	Notification of Compliance Status	Contents; submittal requirements	Yes.
§ 63.9(i)	Adjustment of Submittal Deadlines	Procedures for Administrator to approve change in when notifications must be submitted.	Yes.
§ 63.9(j)	Change in Previous Information	Must submit within 15 days after the change	Yes.
§ 63.10(a)	Recordkeeping/Reporting	Applicability; general information	Yes.
§ 63.10(b)(1)	General Recordkeeping Requirements	General requirements	Yes.
§ 63.10(b)(2)(i)–(v)	Records Related to SSM	Requirements for SSM records	Yes.
§ 63.10(b)(2)(vi)– (xii) and (xiv).	CMS Records	Records when CMS is malfunctioning, inoperative or out- of-control.	Yes.
§ 63.10(b)(2)(xiii)	Records	Records when using alternative to relative accuracy test	No, not applicable.
§ 63.10(b)(3)	Records	Applicability Determinations	Yes.
§ 63.10(c)(1)–(15)	Records	Additional records for CMS	No, §§ 63.8425 and 63.8490 specify requirements.
§ 63.10(d)(1) and (2).	General Reporting Requirements	Requirements for and reporting; performance test results reporting.	Yes.
§ 63.10(d)(3)	Reporting Opacity or VE Observations	Requirements for reporting opacity and VE	No, not applicable.
§ 63.10(d)(4)	Progress Reports	Must submit progress reports on schedule if under compliance extension.	Yes.
§ 63.10(d)(5)	SSM Reports	Contents and submission	Yes.
§ 63.10(e)(1)–(3)	Additional CMS Reports	Requirements for CMS reporting	No, §§ 63.8425 and 63.8485 specify requirements.
§ 63.10(e)(4)	Reporting COMS data	Requirements for reporting COMS data with performance test data.	No, not applicable.
§ 63.10(f)	Waiver for Recordkeeping/Reporting	Procedures for Administrator to waive	Yes.
§ 63.11	Flares	Requirement for flares	No, not applicable.
§ 63.12	Delegation	State authority to enforce standards	Yes.
§ 63.13	Addresses	Addresses for reports, notifications, requests	Yes.
§ 63.14	Incorporation by Reference	Materials incorporated by reference	Yes.
§ 63.15	Availability of Information	Information availability; confidential information	Yes.

3. Part 63 is amended by adding subpart KKKKK to read as follows:

Subpart KKKKK—National Emission Standards for Hazardous Air Pollutants for Clay Ceramics Manufacturing

Sec.

What This Subpart Covers

- 63.8530 What is the purpose of this subpart?
- 63.8535 Am I subject to this subpart? 63.8540 What parts of my plant does this subpart cover?
- 63.8545 When do I have to comply with this subpart?

Emission Limitations and Work Practice Standards

63.8555 What emission limitations and work practice standards must I meet?
63.8560 What are my options for meeting the emission limitations and work practice standards?

General Compliance Requirements

- 63.8570 What are my general requirements for complying with this subpart?63.8575 What do I need to know about operation, maintenance, and monitoring
- Testing and Initial Compliance Requirements

plans?

63.8585 By what date must I conduct performance tests?

- 63.8590 When must I conduct subsequent performance tests?
- 63.8595 How do I conduct performance tests and establish operating limits?
- 63.8600 What are my monitoring installation, operation, and maintenance requirements?
- 63.8605 How do I demonstrate initial compliance with the emission limitations and work practice standards?

Continuous Compliance Requirements

63.8615 How do I monitor and collect data to demonstrate continuous compliance?
63.8620 How do I demonstrate continuous compliance with the emission limitations and work practice standards?